# Figure 1

SEQUENCE ID NO. 1

TATA

-2400 CTGCATTTATTTGCCTTGATCCAGCCTGGGAGAAGTCAGGATAGACTTTGGGCTGCTTGGCCCTGGAGGCAGCTTGAGCT -2320 GGGACTGGGGTGGGGGGCTCCTGAGGGGCTGCCTAGGACACTGCAGCTTTTTGTGCCTTCTCCCTGCTGCCAACACCCCCA -2240 CACACACTGCTGCAGCCACTCTAAAGCCCTTTGTCTTTCATTGCTTAGTCACCCCCTTTGTCCTCAACTAGGGGA AP-1 -2160 GTGGAAAGGGGCAGTAGAGTTCTCTGGTGATAGCTCCTCTTGCCCCTTCTGGTCTCTCGGTCTCCCACCCTTTGTCCGACTC -2080 CTCTAGTCCCAGCCCCGTTGGCTTAGAACCAGGGTCAGGCAAGTGGTGGGTCAAGAGGTGGGTCTGGCAGTCACAAGGGG -1920 GACGGATATGATATGCGGGGGACAGGAGGTGACAAAGCAGAGTGAATAGGGGAATAGAGGCAAGAGGAGGTGGTCCAC<u>TT</u> NFkB STAT3 -1760 AGCAGAAATTGCCCCTACTTCTGAACCCTTCCTTGCCTTGAGAGTTCATACCCAAGACCTCTTTTCCGAGTTCCCTCCTA -1680 TCCAAAGCCAAAGGAATAATTTGCTTCCTTTCCCTAACACCACCTCTTCCTCCCCAGCCACTTTCCCCACCCCAGGCAAT -1600 GGATTTCTCCCAGTACCCTAATTTCCCTATATGCACAATGCTGTCTCCACCCTCTCCCTGCCCCAGGGAGAATTAAAAAG -1520 AAAAGATGACTAGATATTCCAGGAACCACTGGGTTCTCAGAGCAAGGTGGGGTGGATGGTGGGAGCCAGGTGGGATTCT NEKE -1360 GAGGGTTTAGGGCAGTTGGGAGTGGGTAGGACCAGGCCCAAAAGCCTGGGGGAAGCTACTGGGAGCTGGGCCAGGGAAAT -1280 GGGGAGTCAGGAAGTGGGGAGGGGAACCCTGGGGGGAAATGGAGGCGGAATGGCTGTTCTGGGCTTTGGAGGGGGTTGG -1200 TAGTGGTAACTCAGGAAGGGGGATCCTGAGGGAGAGAGGGACGTTAGAAAAGAGGAGGTGCCACCCTGGATCCGCCTTC

-1040 CCTTTGGGCAGTCAACTCCCTGATCACTGTCTCCTTGCCTCCCCCAATGTTCTGCCTTTTTTACTCTTCCCAGCTGCTCA

-1120 TATAAAAGGAAAAGTCGTTAACCCCTCCTGCCTTGTCATCTGCCGCCTCTGTTATGTTCATTCCAAGCAGGATCATCCTA

CCAAT

-960 GTTCTATCCTGAGCCATGT CAAGCTACCTCTTTATTTGTTCTTCCCTCTTGATGCCTCCTTACCTGTTCCCTACCCTCT
-880 TTTCTCAGGCAGCTCACTCAGTCCCCTCAGCCC<u>TGGAAACCAGCCA</u>CTAGGGCCAAAGGGCAGCATGAGGGAGCCTTGAG
NF1

## SEQUENCE ID NO. 2

-1760 AGCAGAAATTGCCCCTACTTCTGAACCCTTCCTTGCCTTGAGAGTTCATACCCAAGACCTCTTTTCCGAGTTCCCTCCTA
-1680 TCCAAAGCCAAAGGAATAATTTGCTTCCTTTCCCTAACACCACCTCTTCCTCCCCAGCCACTTTCCCCCACCCCAGGCAAT

-1600 GGATTTCTCCCAGTACCCTAATTTCCCTATATGCACAATGCTGTCTCCACCCTCTCCCTGCCCCAGGGAGAATTAAAAAG -1520 AAAAGATGACTAGATATTCCAGGAACCACTGGGTTCTCAGAGCAAGGTGGGGTGGATGGTGGGAGCCAGGTGGGGATTCT NFkB -1360 GAGGGTTTAGGGCAGTTGGGAGTGGGTAGGAGCAGGGCCAAAAGCCTGGGGGAAGCTACTGGGAGCTGGGCCAGGGAAAT -1280 GGGGAGTCAGGAAGTGGGGGGGGAACCCTGGGGGGAAATGGAGGCGGAATGGCTGTTCTGGACGGGGTGGG -1200 TAGTGGTAACTCAGGAAGGGGGATCCTGAGGGAGAGAGGGACGTTAGAAAAGAGGAGGTGCCACCCTGGATCCGCCTTC -1120 TATAAAAGGAAAAGTCGTTAACCCCTCCTGCCTTGTCATCTGCCGCCTCTGTTATGTTCATTCCAAGCAGGATCATCCTA TATA -1040 CCTTTGGGCAGTCAACTCCCTGATCACTGTCTCCCTTGCCTCCCCCCAATGTTCTGCCTTTTTTTACTCTTCCCAGCTGCTCA CCAAT -960 GTTCTATCCTGAGCCATGTCAAGCTACCTCTTTATTTGTTCTTCCCTCTTGATGCCTCCTTACCTGTTCCCTACCCTCT -880 TTTCTCAGGCAGCTCACTCAGTCCCTCAGCCCTGGAAACCAGCCACTAGGGCCAAAGGGCAGCATGAGGGAGCCTTGAG NF1 -800 AAAAGAGAAGCCATGGTAGGTTAGACTATAAGAGCAGGAATTCTCCCAGGACCGTGATCCTATCTGTGCATGCCGGCCAG -720 GCCCTTTCCCTCACTCTCTCCTCGGGGCTCTGTCCCACAAAAAGGGAAAGAGACAGCTGAGGGCTGATTGTGGG -640 GTTTGGGAAAAGGCTATGTCATCAGCTGGCCCAGTGCCTATTATCCATTCGGCTGCTAGAGATTCCCCTCCCCTGGGCAA c-krox -560 GTCCCATTTTTTTGGGAAGCGATGATACACCCATCTGAGTCCCACCGACAGAGCTCAGCTGAGTGGCTTAGAGATCAGCC -480 <u>AAT</u>CAATCGCAGAGGCTCACCATGCTTAAAAGAGCTGGCGGGAGAGAGGCTGGGGAGAACCCACAGGGAGACCCACAGA CCAAT -240 AGGAAAGGAGGGCTCAGGAGGAGAGTTTGGAGAAGCCAGACCCCTGGGCACCTCTCCCAAGCCCAAGGACTAAGTTTTCT -160 CCATTTCCTTTAACGGTCCTCAGCCCTTCTGAAAACTTTGCCTCTGACCTTGGCAGGAGTCCAAGCCCCCAGGCTACAGA -80 GAGGAGCTTTCCAAAGCTAGGGTGTGGAGGACTTGGTGCCCTAGACGGCCTCAGTCCCTGCCAGCTGCAGTACCAGTGCC

+1 ATG

SEQUENCE ID NO. 3

 ${\tt -1600} \ \ {\tt GGATTTCTCCCAGTACCCTAATTTCCCTATATGCACAATGCTGTCTCCACCCTCTCCCCAGGGAGAATTAAAAAG}$ 

-1520 AAAAGATGACTAGATATTCCAGGAACCACTGGGTTCTCAGAGCAAGGTGGGGTGGATGGTGGGAGCCAGGTGGGGATTCT

NFkB

-1360 GAGGGTTTAGGGCAGTTGGGAGTGGGTAGGAGCAGGCCCAAAAGCCTTGGGGAAGCTTGGGAGCTGGGCCAGGAAAT

-1280 GGGGAGTCAGGAAGTGGGGAACCCTGGGGGGAATGGAGGCGGAATGGCTGTTCTGGGCTTTGGAGGGGGTGGG

-1120 TATAAAAGGAAAAGTCGTTAACCCCTCCTGCCTTGTCATCTGCCGCCTCTGTTATGTTCATCCAAGCAGGATCATCCTA

TATA

## CCAAT

-960 GTTCTATCCTGAGCCATGTCAAGCTACCTCTTTTATTTGTTCTTCCCTCTTGATGCCTCCTTACCTGTTCCCTACCCTCT

-880 TTTCTCAGGCAGCTCACTCAGTCCCTCAGCCCTGGAAACCAGCCACTAGGGCCAAAGGGCAGCATGAGGGAGCCTTGAG

### NF1

-800 AAAAGAGAAGCCATGGTAGGTTAGACTATAAGAGCAGGAATTCTCCCAGGACCGTGATCCTATCTGTGCATGCCGGCCAG

-720 GCCCTTTCCCTCACTCTCTGCCTCTCTGGGGCTCTGTCCCACCAAAAAGGGAAAGAGACAGCTGAGGGCTGATTGTGGG

-640 GTTTGGGAAAAGGCTATGTCATCAGCTGGCCCAGTGCCTATTATCCATTCGGCTGCTAGAGATTCCCCTCCCCTGGGCAA

c-krox

-560 GTCCCATTTTTTTGGGAAGCGATGATACACCCATCTGAGTCCCACCGACAGAGCTCAGCTGAGTGGCTTAGAGATCAGCC

-480 AATCAATCGCAGAGGCTCACCATGCTTAAAAGAGCTGGCGGGAGAGAGGCTGGGGAGAACCCACAGGGAGACCCACAGA

CCAAT

#### SEQUENCE ID NO. 4

- -1200 TAGTGGTAACTCAGGAAGGGGGATCCTGAGGGAGAGAGGGACGTTAGAAAAGAGGAGGTGCCACCCTGGATCCGCCTTC
- -1120 TATAAAAGGAAAAGTCGTTAACCCCTCCTGCCTTGTCATCTGCCGCCTCTGTTATGTTCATTCCAAGCAGGATCATCCTA

### TATA

CCAAT

-1040 CCTTTGGGCAGTCAACTCCCTGATCACTGTCTCCCTTGCCTCCCCCAATGTTCTGCCTTTTTTACTCTTCCCAGCTGCTCA

#### CCAAT

- -960 GTTCTATCCTGAGCCATGTCAAGCTACCTCTTTTATTTGTTCTTCCCTCTTGATGCCTCCTTACCTGTTCCCTACCCTCT
- -880 TTTCTCAGGCAGCTCACTCAGTCCCTCAGCCC<u>TGGAAACCAGCCA</u>CTAGGGCCAAAGGGCAGCATGAGGGAGCCTTGAG

#### NF1

- -800 AAAAGAGAAGCCATGGTAGGTTAGACTATAAGAGCAGGAATTCTCCCAGGACCGTGATCCTATCTGTGCATGCCGGCCAG
- -720 GCCCTTTCCCTCACTCTCTCCTGGGGCTCTGTCCCACAAAAAGGGAAAGAGACAGCTGAGGGCTGATTGTGGG
- -640 GTTTGGGAAAAGGCTATGTCATCAGCTGGCCCAGTGCCTATTATCCATTCGGCTGCTAGAGATTCCCCTCGGCCAA

## c-krox

- -560 GTCCCATTTTTTTGGGAAGCGATGATACACCCATCTGAGTCCCACCGACAGAGCTCAGCTGAGTGGCTTAGAGATCAGCC
- -480 <u>AAT</u>CAATCGCAGAGGCTCACCATGCTTAAAAGAGCTGGCGGGAGAGAGGCTGGGGAGAACCCACAGGGAGACCCACAGA

-240 AGGAAAGGAGGGCTCAGGAGGAGAGTTTGGAGAAGCCAGACCCCTGGGCACCTCTCCCAAGCCCAAGGACTAAGTTTTCT

-160 CCATTCCTTTAACGGTCCTCAGCCCTTCTGAAAACTTTGCCTCTGACCTTGGCAGGAGTCCAAGCCCCCAGGCTACAGA

+1 ATG

### SEQUENCE ID NO. 5

-800 AAAAGAGAAGCCATGGTAGGTTAGACTATAAGAGCAGGAATTCTCCCAGGACCGTGATCCTATCTGTGCATGCCGGCCAG

-720 GCCCTTTCCCTCACTCTCTCCTCTGGGGCTCTGTCCCACAAAAAGGGAAAGAGACAGCTGAGGGCTGATTGTGGG

-640 GTTTGGGAAAAGGCTATGTCATCAGCTGGCCCAGTGCCTATTATCCATTCGGCTGCTAGAGATTCCCCTCCCCTGGGCAA

c-krox

-560 GTCCCATTTTTTTGGGAAGCGATGATACACCCATCTGAGTCCCACCGACAGAGCTCAGCTGAGTGGCTTAGAGATCAGCC

-480 <u>AAT</u>CAATCGCAGAGGCTCACCATGCTTAAAAGAGCTGGCGGGAGAGGGCTGGGGAGAACCCACAGGGAGACCCACAGA

CCAAT

-240 AGGAAAGGAGGGCTCAGGAGGAGGTTTGGAGAAGCCAGACCCCTGGGCACCTCTCCCAAGCCCAAGGACTAAGTTTTCT

-160 CCATTCCTTTAACGGTCCTCAGCCCTTCTGAAAACTTTGCCTCTGACCTTGGCAGGAGTCCAAGCCCCCAGGCTACAGA

-80 GAGGAGCTTTCCAAAGCTAGGGTGTGGAGGACTTGGTGCCCTAGACGCCTCAGTCCCCAGCTGCAGTACCAGTGCC

+1 ATG

## SEQUENCE ID NO. 6

-240 AGGAAAGGAGGGCTCAGGAGGAGAGTTTGGAGAAGCCAGACCCCTGGGCACCTCTCCCAAGCCCAAGGACTAAGTTTTCT

-160 CCATTTCCTTTAACGGTCCTCAGCCCTTCTGAAAACTTTGCCTCTGACCTTGGCAGGAGTCCAAGCCCCCAGGCTACAGA

WO 2005/045025 PCT/EP2004/012567

+1 ATG